Entry-level LTO Ultrium tape library designed to provide reliable, high capacity, high performance tape backup

IBM System Storage TS3200 Tape Library Express Model

The new IBM System Storage™ TS3200 Tape Library Express Model is designed to offer high capacity and performance technology for the midrange open systems environments. The TS3200 Tape Library is an external 4U standalone or rack-mountable unit that incorporates up to two Linear Tape-Open™ (LTO) IBM TotalStorage® Ultrium 4 or 3 Tape. The new LTO Ultrium 4 tape drive has a native data rate of up to 120 MBps, per drive.

Highlights

- ***Available with one or two Ultrium™ 4 or Ultrium 3 Tape Drives with either Low Voltage Differential (LVD) SCSI, 4 Gbps Fibre Channel or 3 Gbps SAS (LTO4 only) attachment***
- ***Configured to hold four removable magazines, providing 48 data cartridges, including a three-slot I/O station***
- ***Standard bar code reader and remote management unit to give the user greater flexibility in deployment and operation***
- ***Removable cartridge magazines supports quick bulk load of the tape library as well as ease of storage for media***
- ***Ultrium WORM cartridges are supported with the IBM Ultrium Tape Drives***
- ***Standalone or rack-mountable***

The IBM System Storage TS3200 Tape Library Express Model is an excellent tape storage solution for organizations with existing digital linear tape or requiring high-performance automated tape backup. The TS3200 is also designed for organizations that have limited physical space in their IT environments. Operating in a rack environment allows organizations the advantage of placing the TS3200 in a standard 19" rack, which provides 76.8 TB of compressed tape storage in just a 4U space.

The TS3200 Tape Library can be ordered with up to two Ultrium 4 or Ultrium 3 LVD SCSI, 4 Gbps Fibre Channel 3 Gbps SAS (LTO4 only) drives, which allow connection to a wide spectrum of open systems servers. IBM Ultrium 4 tape drives can read and write LTO Ultrium 3 and read LTO Ultrium 2 data cartridges; in addition IBM Ultrium 4 tape drives in either 4 Gbps FC or 3 Gbps SAS attach help support encryption of data.

The TS3200 Tape Library has four removable cartridge magazines, providing 48 data cartridge slots, including one three I/O station. The TS3200 Tape Library provides a media capacity of up to 38.4 TB (76.8 TB with 2:1 compression) data storage per unit. Remote management and a bar code reader are standard in the library, allowing the library to run in sequential or random access mode. Optional features available are rack mount kit, additional power supply and Path Failover.

IBM System Storage TS3200 Tape Library Express Model at a glance

Drive Options	Ultrium 4: LVD SCSI—FC (8143); 4 Gbps Fibre channel—FC(8144); 3 Gbps SAS—FC(8145) Ultrium 3: LVD SCSI—FC (8043); 4 Gbps Fibre channel (8044)
Available Models:	3573 L4U 3573L3H (Express model, PN) includes IBM LTO Ultrium 3 LVD Ultra160 attach, SCSI tape drive, rack mount kit 3573F3H (Express model, PN) includes IBM LTO Ultrium 3 four Gbps Fibre Channel tape drive, rack mount kit 3573L4H (Express PN) includes IBM LTO Ultrium 4 LVD Ultra160 attach, SCSI tape drive 3573S4H (Express PN) includes IBM LTO Ultrium 4 three Gbps SAS attach tape drive 3573F4H (Express PN) includes IBM LTO Ultrium 4 four Gbps Fibre Channel attach tape drive
Optional Feature Codes	
Rack mount	7002
Right-side magazine set	8106
Path Failover	1682
Additional Power Supply	1901
Transparent Encryption	5900
Tape drive type	IBM LTO Ultrium 4 or IBM LTO Ultrium 3
Number of Drives	1-2
Number of tape cartridges	48

IBM System Storage TS3200 Tape Library Express Model at a glance

Number of mail slots	3
Capacity	Up to 1.6 TB per cartridge compressed; 800 GB native with LTO Ultrium 4 Up to 800 GB per cartridge compressed; 400 GB native with LTO Ultrium 3 Up to 76.8 TB per tape library compressed; 38.4 TB native with LTO Ultrium 4 Up to 38.4 TB per tape Library compressed; 19.2 TB native with LTO Ultrium 3
Data transfer rate	Up to 120 MBps native with LTO Ultrium 4 Up to 80 MBps native with LTO Ultrium 3
Dimensions (W x H x D)	
Stand alone	17.6 in (447.5 mm) x 7.29 in (185.2 mm) x 31.9 in (810 mm)
Rack-mount	17.6 in (447.5 mm) x 6.89 in (175.2 mm) x 29.13 in (740 mm)
Weight	33 lb (15kg) without rack mount
Operating Environment	
Temperature	50 to 95 degrees F, 10 to 35 degrees C
Relative Humidity	15% RH to 85% RH (non-condensing)
Electrical power	1.3 amps at 100 V ac, 0.7 amps at 240 V ac
Attachment and systems support	The TS3200 features LVD Ultra160 and 3 Gbps SAS (LTO4 only) interfaces, attaching to IBM System p™ and System p5™, pSeries®, IBM System i™ and System i5™, iSeries™, IBM System x™, IBM RS/6000® SP™, IBM AS/400®, IBM BladeCenter®, and IBM Netfinity® systems, and non-IBM servers, workstations and personal computers
Operating Systems support	Native device driver support is available for IBM AIX®, IBM OS/400®, IBM i5/OS®, Windows® 2000, Windows Server® 2003, Sun Solaris, HP-UX, Red Hat and United Linux®.

For more information

Contact your IBM representative or IBM Business Partner or visit:

- **ibm.com**/systems/storage/tape/ts3200/
- **ibm.com**/systems/express

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IBM Systems and Technology Group
Route 100
Somers, New York 10589

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MB, GB and TB equal 1,000,000, 1,000,000,000 and 1,000,000,000,000 bytes, respectively, where referring to storage capacity. Actual storage capacity will vary based upon many factors and may be less than stated. Some numbers given for storage capacities give capacity in native mode followed by capacity using data compression technology.

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